AMENDMENTS TO CLAIMS

The following listing of the claims replaces all prior claim versions and listings.

1. (Currently Amended) A distributed computing ~~platform~~ system constructed to facilitate a dynamic availability of an eCommerce service to a user over the Internet, comprising:

a web server in communication with a browser of ~~the~~ a user, the web server ~~providing access control~~ configured to authenticate the user and to communicate group information to the browser of the user;

means for providing the eCommerce service to the browser, said browser configured to communicate said group information to a Lookup Server; and

~~a~~ said Lookup Server configured to act as a registry for tracking at least one eCommerce service available to the user and ~~provide~~, in response to said ~~access control~~ group information, said Lookup Server configured to provide dynamic ~~notification~~ ~~to~~ updates to the browser ~~of the user of the availability~~ of ~~the~~ new and/or updated eCommerce service ~~for performing commercial transactions, the dynamic notification occurring before a command requesting availability information is received from the user~~ until said browser logs off said web server.

2. (Previously Presented) The distributed computing platform of claim 1, wherein said eCommerce service is comprised of at least one of:

a) remote event notification for commercial transactions;

b) service registration; and

c) dynamic downloading of software from anywhere at anytime.

3. (Previously Presented) The distributed computing platform of claim 1, wherein said eCommerce service includes use of a variety of payment models, further facilitating commercial transactions and dynamic pricing.

4. (Previously Presented) The distributed computing platform of claim 1, wherein user access to the eCommerce service registered with said web server is controlled by exchange of a client applet between the user and said web server.

5. (Previously Presented) The distributed computing platform of claim 4, wherein user information received from the user is compared by said web server with corresponding user information stored in a lightweight directory access protocol (LDAP) database.

6. (Original) The distributed computing platform of claim 1, wherein said web server provides for the sale of commercial software products.

7. (Previously Presented) The distributed computer platform of claim 1, wherein said platform is Jini based.

8. (Currently Amended) A system for providing remote access to services on a network, the system comprising:

a network server;

at least one client browser in communication with the network server, said network server configured to authenticate said client browser;

at least one LoadBalancer/ComputeServer in communication with the network server;

-3-

computationally intensive jobs executable by said network server;

means for providing one or more eCommerce services to said client browser;

a database in communication with the network server and including user, group and services information, said database storing at least client information; and

a Lookup Server configured to act as registry for tracking said one or more eCommerce services,

wherein availability of one or more of the eCommerce services is dynamically notified to said client browser before a command requesting information is received from the client browser, said availability dynamically notified by said Lookup Server in response to data provided by said network server to said client browser, said data based on stored user information of said client browser and the user, group and services information accessed in the database, said Lookup Server provides dynamic updates to said client browser of new and/or updated eCommerce services until said client browser logs off said web server, and

wherein said computationally intensive jobs are distributed for execution by to the at least one LoadBalancer/ComputeServer for execution.

9. (Previously Presented) The system of claim 8, wherein said server further comprises means for providing a client applet to facilitate dynamic availability updating and access of client information.

10. (Cancelled)

11. (Original) The system of claim 8, wherein said database is a lightweight directory access protocol (LDAP) database.

12. (Withdrawn) A method of providing dynamic availability of eCommerce services via a web server, comprising:

maintaining a database of user information, including authentication and access control information, in communication with the web server;

logging in a user with the web server using a client applet based on the information accessed in the database; and

using an authentication servlet to conduct user authentication and display available servers to the user;

wherein if a new service is created and started while the user is logged in via the Internet with the web server, and the user has authorization to access said new service, a Lookup Server causes information pertaining to the new service to dynamically appear in the client applet based on data provided by the web server via the client applet,

wherein dynamically appear means that the availability of the service is notified to the client browser before a command requesting information is received from the client browser.

13. (Withdrawn) The method of claim 12, wherein information is stored in said database to facilitate information updating.

14. (Withdrawn) The method of claim 12, further including a step of dynamically relocating code from one network node to another.

15. (Withdrawn) The method of claim 12, wherein said services may include one of sub-classes LocalService and RemoteService.

16. (Withdrawn) The method of claim 12, wherein communication with said server is provided by using HTTP and Java RMI.

17. (Withdrawn) The method of claim 12, further including a step of distributing compute-intensive jobs across various ComputeServers associated with a web browser.

18. (Withdrawn) The method of claim 17, further including a step of providing a servlet at the web server to read an executable object that is passed therethrough.

19. (Withdrawn) The method of claim 18, wherein if said executable object is valid, it is passed to a LoadBalancer.

20. (Withdrawn) The method of claim 19, wherein the LoadBalancer maintains a list of Lookup Servers it finds when it registers itself, using the list to find all of said ComputeServers available for a job.

21. (Withdrawn) The method of claim 12, wherein said database includes a lightweight directory access protocol (LDAP) database.

22. (Withdrawn) An article of manufacture, comprising, a computer usable medium having computer readable program code means embodied therein for implementing a method for providing dynamic availability of eCommerce services via a web server, the program comprising instructions for:

maintaining a database of user information, including authentication and access control information, in communication with the web server;

logging a user in with the web server using a client applet; and

using a servlet to conduct user authentication based on user information accessed

in the database and to display available services to the user;

wherein when a new service becomes available while the user is in

communication via the Internet with the web server, and the user is authorized to access

said new service, the information provided by a Lookup Server pertaining to the new

service dynamically appears in the client applet based on data provided by the web

server via the client applet,

wherein dynamically appears means that the availability of the service is notified

to the client browser before a command requesting information is received from the client

browser.